

# UTILITY PATENT APPLICATION TRANSMITTAL

(Only for new nonprovisional applications under 37 CFR 1.53(b))

|  |   |
|--|---|
| Attorney Docket No.                      | 210608US2   |
| First Inventor or Application Identifier | Tsutomuro CHIBA   |
| Title                                    | APPARATUS, METHOD, PROGRAM, AND DATA STRUCTURE FOR ASSISTING PLACING ORDER FOR MANUFACTURING SEMICONDUCTOR DEVICE |
| Assignee Name:                           | KABUSHIKI KAISHA TOSHIBA  |
| Assignee Address:                        | 72, Horikawa-cho, Saiwai-ku, Kawasaki-shi, Kanagawa-ken, JAPAN  |

06/29/01  
11:09 AM  
P. 1  
S. 1  
T. 1  
U. 1  
V. 1  
W. 1  
X. 1  
Y. 1  
Z. 1  
AA. 1  
AB. 1  
AC. 1  
AD. 1  
AE. 1  
AF. 1  
AG. 1  
AH. 1  
AI. 1  
AJ. 1  
AK. 1  
AL. 1  
AM. 1  
AN. 1  
AO. 1  
AP. 1  
AQ. 1  
AR. 1  
AS. 1  
AT. 1  
AU. 1  
AV. 1  
AW. 1  
AX. 1  
AY. 1  
AZ. 1  
BA. 1  
BB. 1  
BC. 1  
BD. 1  
BE. 1  
BF. 1  
BG. 1  
BH. 1  
BI. 1  
BJ. 1  
BK. 1  
BL. 1  
BM. 1  
BN. 1  
BO. 1  
BP. 1  
BQ. 1  
BR. 1  
BS. 1  
BT. 1  
BU. 1  
BV. 1  
BW. 1  
BX. 1  
BY. 1  
BZ. 1  
CA. 1  
CB. 1  
CC. 1  
CD. 1  
CE. 1  
CF. 1  
CG. 1  
CH. 1  
CI. 1  
CJ. 1  
CK. 1  
CL. 1  
CM. 1  
CN. 1  
CO. 1  
CP. 1  
CQ. 1  
CR. 1  
CS. 1  
CT. 1  
CU. 1  
CV. 1  
CW. 1  
CX. 1  
CY. 1  
CZ. 1  
DA. 1  
DB. 1  
DC. 1  
DD. 1  
DE. 1  
DF. 1  
DG. 1  
DH. 1  
DI. 1  
DJ. 1  
DK. 1  
DL. 1  
DM. 1  
DN. 1  
DO. 1  
DP. 1  
DQ. 1  
DR. 1  
DS. 1  
DT. 1  
DU. 1  
DV. 1  
DW. 1  
DX. 1  
DY. 1  
DZ. 1  
EA. 1  
EB. 1  
EC. 1  
ED. 1  
EE. 1  
EF. 1  
EG. 1  
EH. 1  
EI. 1  
EJ. 1  
EK. 1  
EL. 1  
EM. 1  
EN. 1  
EO. 1  
EP. 1  
EQ. 1  
ER. 1  
ES. 1  
ET. 1  
EU. 1  
EV. 1  
EW. 1  
EX. 1  
EY. 1  
EZ. 1  
FA. 1  
FB. 1  
FC. 1  
FD. 1  
FE. 1  
FF. 1  
FG. 1  
FH. 1  
FI. 1  
FJ. 1  
FK. 1  
FL. 1  
FM. 1  
FN. 1  
FO. 1  
FP. 1  
FQ. 1  
FR. 1  
FS. 1  
FT. 1  
FU. 1  
FV. 1  
FW. 1  
FX. 1  
FY. 1  
FZ. 1  
GA. 1  
GB. 1  
GC. 1  
GD. 1  
GE. 1  
GF. 1  
GG. 1  
GH. 1  
GI. 1  
GJ. 1  
GK. 1  
GL. 1  
GM. 1  
GN. 1  
GO. 1  
GP. 1  
GQ. 1  
GR. 1  
GS. 1  
GT. 1  
GU. 1  
GV. 1  
GW. 1  
GX. 1  
GY. 1  
GZ. 1  
HA. 1  
HB. 1  
HC. 1  
HD. 1  
HE. 1  
HF. 1  
HG. 1  
HH. 1  
HI. 1  
HJ. 1  
HK. 1  
HL. 1  
HM. 1  
HN. 1  
HO. 1  
HP. 1  
HQ. 1  
HR. 1  
HS. 1  
HT. 1  
HU. 1  
HV. 1  
HW. 1  
HX. 1  
HY. 1  
HZ. 1  
IA. 1  
IB. 1  
IC. 1  
ID. 1  
IE. 1  
IF. 1  
IG. 1  
IH. 1  
II. 1  
IJ. 1  
IK. 1  
IL. 1  
IM. 1  
IN. 1  
IO. 1  
IP. 1  
IQ. 1  
IR. 1  
IS. 1  
IT. 1  
IU. 1  
IV. 1  
IW. 1  
IX. 1  
IY. 1  
IZ. 1  
JA. 1  
JB. 1  
JC. 1  
JD. 1  
JE. 1  
JF. 1  
JG. 1  
JH. 1  
JI. 1  
JJ. 1  
JK. 1  
JL. 1  
JM. 1  
JN. 1  
JO. 1  
JP. 1  
JQ. 1  
JR. 1  
JS. 1  
JT. 1  
JU. 1  
JV. 1  
JW. 1  
JX. 1  
JY. 1  
JZ. 1  
KA. 1  
KB. 1  
KC. 1  
KD. 1  
KE. 1  
KF. 1  
KG. 1  
KH. 1  
KI. 1  
KJ. 1  
KK. 1  
KL. 1  
KM. 1  
KN. 1  
KO. 1  
KP. 1  
KQ. 1  
KR. 1  
KS. 1  
KT. 1  
KU. 1  
KV. 1  
KW. 1  
KX. 1  
KY. 1  
KZ. 1  
LA. 1  
LB. 1  
LC. 1  
LD. 1  
LE. 1  
LF. 1  
LG. 1  
LH. 1  
LI. 1  
LJ. 1  
LK. 1  
LL. 1  
LM. 1  
LN. 1  
LO. 1  
LP. 1  
LQ. 1  
LR. 1  
LS. 1  
LT. 1  
LU. 1  
LV. 1  
LW. 1  
LX. 1  
LY. 1  
LZ. 1  
MA. 1  
MB. 1  
MC. 1  
MD. 1  
ME. 1  
MF. 1  
MG. 1  
MH. 1  
MI. 1  
MJ. 1  
MK. 1  
ML. 1  
MN. 1  
MO. 1  
MP. 1  
MQ. 1  
MR. 1  
MS. 1  
MT. 1  
MU. 1  
MV. 1  
MW. 1  
MX. 1  
MY. 1  
MZ. 1  
NA. 1  
NB. 1  
NC. 1  
ND. 1  
NE. 1  
NF. 1  
NG. 1  
NH. 1  
NI. 1  
NJ. 1  
NK. 1  
NL. 1  
NM. 1  
NO. 1  
NP. 1  
NQ. 1  
NR. 1  
NS. 1  
NT. 1  
NU. 1  
NV. 1  
NW. 1  
NX. 1  
NY. 1  
NZ. 1  
OA. 1  
OB. 1  
OC. 1  
OD. 1  
OE. 1  
OF. 1  
OG. 1  
OH. 1  
OI. 1  
OJ. 1  
OK. 1  
OL. 1  
OM. 1  
ON. 1  
OO. 1  
OP. 1  
OQ. 1  
OR. 1  
OS. 1  
OT. 1  
OU. 1  
OV. 1  
OW. 1  
OX. 1  
OY. 1  
OZ. 1  
PA. 1  
PB. 1  
PC. 1  
PD. 1  
PE. 1  
PF. 1  
PG. 1  
PH. 1  
PI. 1  
PJ. 1  
PK. 1  
PL. 1  
PM. 1  
PN. 1  
PO. 1  
PP. 1  
PQ. 1  
PR. 1  
PS. 1  
PT. 1  
PU. 1  
PV. 1  
PW. 1  
PX. 1  
PY. 1  
PZ. 1  
QA. 1  
QB. 1  
QC. 1  
QD. 1  
QE. 1  
QF. 1  
QG. 1  
QH. 1  
QI. 1  
QJ. 1  
QK. 1  
QL. 1  
QM. 1  
QN. 1  
QO. 1  
QP. 1  
QQ. 1  
QR. 1  
QS. 1  
QT. 1  
QU. 1  
QV. 1  
QW. 1  
QX. 1  
QY. 1  
QZ. 1  
RA. 1  
RB. 1  
RC. 1  
RD. 1  
RE. 1  
RF. 1  
RG. 1  
RH. 1  
RI. 1  
RJ. 1  
RK. 1  
RL. 1  
RM. 1  
RN. 1  
RO. 1  
RP. 1  
RQ. 1  
RR. 1  
RS. 1  
RT. 1  
RU. 1  
RV. 1  
RW. 1  
RX. 1  
RY. 1  
RZ. 1  
SA. 1  
SB. 1  
SC. 1  
SD. 1  
SE. 1  
SF. 1  
SG. 1  
SH. 1  
SI. 1  
SJ. 1  
SK. 1  
SL. 1  
SM. 1  
SN. 1  
SO. 1  
SP. 1  
SQ. 1  
SR. 1  
SS. 1  
ST. 1  
SU. 1  
SV. 1  
SW. 1  
SX. 1  
SY. 1  
SZ. 1  
TA. 1  
TB. 1  
TC. 1  
TD. 1  
TE. 1  
TF. 1  
TG. 1  
TH. 1  
TI. 1  
TJ. 1  
TK. 1  
TL. 1  
TM. 1  
TN. 1  
TO. 1  
TP. 1  
TQ. 1  
TR. 1  
TS. 1  
TT. 1  
TU. 1  
TV. 1  
TW. 1  
TX. 1  
TY. 1  
TZ. 1  
UA. 1  
UB. 1  
UC. 1  
UD. 1  
UE. 1  
UF. 1  
UG. 1  
UH. 1  
UI. 1  
UJ. 1  
UK. 1  
UL. 1  
UM. 1  
UN. 1  
UO. 1  
UP. 1  
UQ. 1  
UR. 1  
US. 1  
UT. 1  
UU. 1  
UV. 1  
UW. 1  
UX. 1  
UY. 1  
UZ. 1  
VA. 1  
VB. 1  
VC. 1  
VD. 1  
VE. 1  
VF. 1  
VG. 1  
VH. 1  
VI. 1  
VJ. 1  
VK. 1  
VL. 1  
VM. 1  
VN. 1  
VO. 1  
VP. 1  
VQ. 1  
VR. 1  
VS. 1  
VT. 1  
VU. 1  
VV. 1  
VW. 1  
VX. 1  
VY. 1  
VZ. 1  
WA. 1  
WB. 1  
WC. 1  
WD. 1  
WE. 1  
WF. 1  
WG. 1  
WH. 1  
WI. 1  
WJ. 1  
WK. 1  
WL. 1  
WM. 1  
WN. 1  
WO. 1  
WP. 1  
WQ. 1  
WR. 1  
WS. 1  
WT. 1  
WU. 1  
WV. 1  
WW. 1  
WX. 1  
WY. 1  
WZ. 1  
XA. 1  
XB. 1  
XC. 1  
XD. 1  
XE. 1  
XF. 1  
XG. 1  
XH. 1  
XI. 1  
XJ. 1  
XK. 1  
XL. 1  
XM. 1  
XN. 1  
XO. 1  
XP. 1  
XQ. 1  
XR. 1  
XS. 1  
XT. 1  
XU. 1  
XV. 1  
XW. 1  
XX. 1  
XY. 1  
XZ. 1  
YA. 1  
YB. 1  
YC. 1  
YD. 1  
YE. 1  
YF. 1  
YG. 1  
YH. 1  
YI. 1  
YJ. 1  
YK. 1  
YL. 1  
YM. 1  
YN. 1  
YO. 1  
YP. 1  
YQ. 1  
YR. 1  
YS. 1  
YT. 1  
YU. 1  
YV. 1  
YW. 1  
YX. 1  
YY. 1  
YZ. 1  
ZA. 1  
ZB. 1  
ZC. 1  
ZD. 1  
ZE. 1  
ZF. 1  
ZG. 1  
ZH. 1  
ZI. 1  
ZJ. 1  
ZK. 1  
ZL. 1  
ZM. 1  
ZN. 1  
ZO. 1  
ZP. 1  
ZQ. 1  
ZR. 1  
ZS. 1  
ZT. 1  
ZU. 1  
ZV. 1  
ZW. 1  
ZX. 1  
ZY. 1  
ZZ. 1

## APPLICATION ELEMENTS

See MPEP chapter 600 concerning utility patent application contents

## ADDRESS TO:

Assistant Commissioner for Patents  
Box Patent Application  
Washington, DC 20231

1. ☒ Fee Transmittal Form (e.g. PTO/SB/17)  
(Submit an original and a duplicate for fee processing)

☒ Specification Total Sheets **28**

☒ Drawing(s) (35 U.S.C. 113) Total Sheets **34**  
Formals

☒ Oath or Declaration Total Pages **2**

a. ☒ Newly executed (original)

b. ☐ Copy from a prior application (37 C.F.R. §1.63(d))  
(for continuation / divisional w/ box 17 completed)

i. ☐ DELETION OF INVENTOR(S)

Signed statement attached deleting inventor(s) named in the prior application, see 37 C.F.R. §1.63(d)(2) and 1.30(b).

☐ CD-ROM or CD-R in duplicate, large table or Computer Program (Appendix)

☐ Nucleotide and/or Amino Acid Sequence Submission  
(if applicable, all necessary)

a. ☐ Computer Readable Form (CRF)

b. Specification or Sequence Listing on:

i. ☐ CD-ROM or CD-R (2 copies); or

ii. ☐ Paper

c. ☐ Statements verifying identity of above copies

f. a CONTINUING APPLICATION, check appropriate box, and supply the requisite information below.

☐ Continuation ☐ Divisional ☐ Continuation-in-part (CIP) of prior application no.:

for application information: Examiner:

Group Art Unit:

For CONTINUATION OR DIVISIONAL APPS only: The entire disclosure of the prior application, from which an oath or declaration is supplied under Box 4b, is considered a part of the accompanying continuation or divisional application and is hereby incorporated by reference. The incorporation can only be relied upon when a portion has been inadvertently omitted from the submitted application parts

18. Amend the specification by inserting before the first line the sentence:

☐ This application is a ☐ Continuation ☐ Division ☐ Continuation-in-part (CIP)

of application Serial No. Filed on

☐ Which was published in English

☐ Which was not published in English

☐ This application claims priority of provisional application Serial No. Filed

## 19. CORRESPONDENCE ADDRESS



**2250**

(703) 413-3000

FACSIMILE: (703) 413-2220

|            |                      |                   |         |
|------------|----------------------|-------------------|---------|
| Name:      | Marvin J. Spivak     | Registration No.: | 24,913  |
| Signature: |                      | Date:             | 6/29/01 |
| Name:      | Cheryl A. McClelland | Registration No.: |         |

Registration Number 21,124

## IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

INVENTOR(S) Tsutomu CHIBA

SERIAL NO: New Application

FILING DATE: Herewith

FOR: APPARATUS, METHOD, PROGRAM, AND DATA STRUCTURE FOR ASSISTING PLACING ORDER FOR MANUFACTURING SEMICONDUCTOR DEVICE

## FEE TRANSMITTAL

ASSISTANT COMMISSIONER FOR PATENTS  
WASHINGTON, D.C. 20231

| FOR  | NUMBER<br>FILED | NUMBER<br>EXTRA | RATE                        | CALCULATIONS |
|--|-----------------|-----------------|-----------------------------|--------------|
| TOTAL CLAIMS   | 23 - 20 =       | 3               | × \$18 =                    | \$54.00      |
| INDEPENDENT CLAIMS   | 5 - 3 =         | 2               | × \$10 =                    | \$160.00     |
| <input type="checkbox"/> MULTIPLE DEPENDENT CLAIMS (If applicable)   |                 |                 | + \$270 =                   | \$0.00       |
| <input type="checkbox"/> LATE FILING OF DECLARATION                  |                 |                 | + \$130 =                   | \$0.00       |
|  |                 |                 | BASIC FEE                   | \$710.00     |
|  |                 |                 | TOTAL OF ABOVE CALCULATIONS | \$924.00     |
| <input type="checkbox"/> REDUCTION BY 50% FOR FILING BY SMALL ENTITY |                 |                 |                             | \$0.00       |
| <input type="checkbox"/> FILING IN NON-ENGLISH LANGUAGE              |                 |                 | + \$130 =                   | \$0.00       |
| <input type="checkbox"/> RECORDATION OF ASSIGNMENT                   |                 |                 | + \$40 =                    | \$0.00       |
|  |                 |                 | TOTAL                       | \$924.00     |

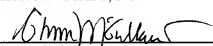
Please charge Deposit Account No. 15-0030 in the amount of


A duplicate copy of this sheet is enclosed.

A check in the amount of \$924.00 to cover the filing fee is enclosed.

The Commissioner is hereby authorized to charge any additional fees which may be required for the papers being filed herewith and for which no check is enclosed herewith, or credit any overpayment to Deposit Account No. 15-0030.  
A duplicate copy of this sheet is enclosed.

Respectfully Submitted,

OBLON, SPIVAK, McCLELLAND,  
MAIER & NEUSTADT, P.C.
  
 Marvin J. Spivak  
 Registration No. 24,913

  
 Registered in Class 21, 124
Date: 6/29/01

22850

 Tel. (703) 413-3000  
 Fax. (703) 413-2220  
 (OSMMN 10/00)